**APPENDIX A**

**SPECIFICATIONS**

**SITE SPECIFICATIONS**

**Plans for the existing dock can be seen in Attachment B.**

1. The crane must be able to start and operate at all temperatures above 20° F (6.6° C) without equipment failure. The crane must be equipped with adequate heaters, etc. as necessary to meet this requirement.
2. The crane will be fully exposed to all environmental factors. The crane will be exposed to saltwater spray. Seawater inundation from storms can submerge the cranes at a depth of up to 3 ½ feet.
3. All equipment should be engineered and manufactured to align with the existing permanent dock structure. Cranes and product hoists must be fully operable on the existing dock structure.
4. This project will all be done on the southeast wall of the Port Orford dock structure.
5. The cranes must be able to lift boats onto the dock regardless of weather conditions.
6. Load capacity to accommodate must be a minimum of 50 metric tons.
7. Vessels are lifted by straps/ropes to a single pick point (hook).

**2. CAPACITY / BOAT WEIGHT / BOAT LENGTH**

1. The cranes must be able to lift a boat weighing the maximum rated capacity under normal conditions safely and in accordance with the applicable safety code. The minimum required rated capacity is 50 metric tons. The Port of Port Orford’s intent is to purchase the highest capacity crane that meets budget requirements and will safely operate on its High Dock.
2. The crane must be capable of lifting the variety and type of vessels expected in Pacific Coast of Oregon USA; not to exceed the rating of the crane. Sellers shall review information provided in the attached links. The crane must be capable of lifting the vessels from 12 to 55 feet long with a beam as wide as 30 feet.

**3. CRANE HEIGHT**

1. The crane shall have a minimum vertical clear opening from the ground to the boom, while under maximum load, of 50 feet.
2. The crane overall height, with no load, shall not exceed 65 feet.
3. The crane must be able to lift a full capacity boat with a beam of 30 feet without a negative sling angle.